Reference to last Measurement 8
· 5359/19-20
೦೯ is issued
ಕ್ರ No. 06
೦೯ ಅಭಯಂತರರು 22/02
ಮನಮರ ವಿಭಾಗ
ನ, ಬೆಂಗಳೂರು

M. A. R. 57 (Rule 116) No. E 535801

Measurement Book

Serial No. 3rd and final Bill

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency Sri. G. Venkatesh Contractor.

Date of commencement of work D.O. Recording :- 15.06.2020

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Name of Work :- Package no. 2, Includes 5 Works of Rs. 245.00 Lakh, Imp. to Roads at Sreenagar Phase to defence Layout at Dynasty Layout in W.no. 06, BTP. Sub-Divn. 2. Imp to dressed Asphalting to Roads at Balaji Layout Near Railway gate in W.no. 06. BTP. Sub-Div. 3 Imp. to dressed Asphalting to Roads at Vidyasagar Layout and Surrandings in Ward 06, BTP. Sub-Division, 4. Imp to dressed Asphalting to Roads at Bharathnagar Saw Mill Road						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			in Ward No.06, Byp Sub-Division. 5-Imp to dress and Asphalting Roads in Shiradi Sai Nagara and Hegde Nagara in Ward No.06, Byp Sub-Div.				
	Estimated Cost : Rs		245.00 Lakh.				
	Work code : R.		006-18-000058, 006-18-000060, 006-18-000061				
			006-18-000062 and 006-18-000063.				
	Work order No :		BBMP/EE/BTP/WO/10/2018-19 Dt: 25.06.2018				
	Date of Completion :		15.06.2020				
①	Earthwork Excavation by manual means in ordin						

Serial No. .....
Name of work .....
Name of Contractor of
Date of commencemen

Date	Full descrip
1	2
	doil, in an area and sides neatly aft (a) qty (b) qty

ents	Reference to last Measurement 8
...m.	5. Imp to dress
...hiradi Sai Nagar,	
...No 06, Bhl Sub-Dm.	
...060,	006-18-000061
...18-000063.	
...018-19 Dt: 25.06.2018	
...rding	

M. A. R. 57 (Rule 116) No. E 535302
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	doil, involving an average horizontal throw upto 2m and an average lift upto 1.500m, Excavated surface levelled and sides neatly dressed, the disposed Earth to be levelled neatly after breakage clods complete as per specification.						
	(a) qty upto 125m	= qty vide E.Bill No 1 (1) p.no (1) (16-2)				= 1397.44 m³ @ 190.50/m³	26620.00
	(b) qty above 125m	= qty vide E.Bill No 1 (1) p.no (1) (16-2)				= 50.70 m³ @ 96.46/m³	4891.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(2)	Providing granite slabs of selected quality Roughly dressed having a size of 7.50 cms thick and fixed in CM 1:6 in- cluding fixing cursyek complete.						
		qty. vide	E. Bill	p.no.		① + ②	(3 to 6)
		Present qty:	Nil	-	-	-	
3)	Earthworks for Road works in soil with hydraulic excavator of 0.90 yd^3 bucket capacity including cutting and loading in tippers, trimming bottom and sides of slopes, in ordinary						

Serial No. .....
Name of work .....
Name of Contractor of nature of
Date of commencement of work

Date	Full description, etc,
1	2
	With requirem and transporting as per specific Engineer-in-ch
(4)	Providing, layin

Contents 7	Reference to last Measurement 8
drained	
b in -	
① & ②	(3+06)
- -	
Excavation	
oading in	
endue	

M. A. R. 57 (Rule 116) No. E 535803
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	With requirements of lines, grades and cross-sections, and transporting to embankment locations and complete as per specifications and as per the directions of the Engineer-in-charge of the work.						
						274 Vide Extra Bill provided ③ (7+8)	
						= 274.78 m³ @ 148.00 /m³ R.	40667.30
(4)	Providing, laying, spreading and compacting graded stone						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	aggregate to wet mix Macadam specifications, including providing the material with water at OMC in mechanical mix plant, Conveyance of mixed material by tipper to site laying in uniform layers with paver in Sub-base/ base course on well prepared surface and Compacting with Vibratory Roller to achieve the desired density Complete as per specifications						
	Qty vide E. Bill. Item no. (4) (9 to 10)						
	P. no. (2) = 352.56 m³						
	@ 198/m³						
							69806.00
5)	Providing and applying primer coat with S-S. Bitumen						

Serial No. .....
Name of work .....
Name of Contractor of nature
Date of commencement of w

Date	Full description, e
1	2
	Emulsion on WBM/ WMM primer at the Complete as per charge of wo

ntents	Reference to last Measurement
7	8
y hanical te Course y grades (9 to 10)	
/47	698069.00
n	

M. A. R. 57 (Rule 116) No. E 535804
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Emulsion on prepared WBM/WMM including primer at the rate of 0.60 kg/m2 using mechanical means Complete as per specifications and directions of Engineer-in-charge of work. (11 to 12) qty vide E.B.II p.no. (2) to (5) = 3301.134 m2 @ 30.75/m2						101510.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
6)	Cleaning the Existing blacktopped surface with brooms, soft brushes and finally dusting with old gunny bags and or/ compressed air to receive bituminous treatment including costing all material, labour, Hire of machinery Complete as per specifications and as per the directions of Engineer in-charge of the work.						
	qty vide E.B III ## no. (6) p.no (2) (13 to 14)						
	= 2872.00 y^2 @ 3.50/y^2						Rs 10,052.00
7)	Providing and applying tack coat using S/I no grade bitumen (VG-10) on prepared blacktopped surfaces at						

Serial No. .....
Name of work .....
Name of Contractor of nature
Date of commencement of wo

Date	Full description, et
1	2
	2.50 kg/10 y^2 Set excludi all materials per specificat charge of th

Contents 7	Reference to last Measurement 8
brooms, bags treated with machinery echnique of	
·⑥ P.N ②(13 to 14) sq/yd² grade ces at	Rs 10,052.00

M. A. R. 57 (Rule 116) **No. E** 535805

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Dimensions Breadth 5	Dimensions Depth 6	Contents 7	Reference to last Measurement 8
	2.50 kg/10 m², heating bitumen in boiler fitted with spray set excluding cleaning of Road surface) including cost of all materials, labour, hire of machinery, complete as per specifications and as per the directions of Engineer-in-charge of the work. qty vide P.N. ② =		vide E. Bill.		No.	⑦ (15 to 22) 13.00/m²	92710.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(8) Providing and laying bituminous concrete 40mm Compacted thickness with VG-30 Bitumen grade using 40-60 Hmp using crushed aggregate of grading II, premixed with bituminous binder @ 6% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade level and alignment, Rolling with smooth wheeled vibratory Roller to achieve the desired density as per morth specifications etc complete.						
	as per Abstract E-Bill. Item No. (8)						
	P.No (3) : 23+030					285.26 m^3	22,63,538.00
						@7935/-	

Serial No. .....
Name of work .....
Name of Contractor of nat
Date of commencement o

Date	Full description
1	2
(9)	Providing an... mm thick ... area thick... glass beads ... level, uniform... per specifi... Charges of

ents	Reference to last Measurement 8
mpacked	
P	
thg	
ro	
Rolly	
w.	
(8)	
3	22,63,538.00
135/y²	

M. A. R. 57 (Rule 116) No. E 535806
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(9)	Providing and laying hot applied thermoplastic Compound 2.50 mm thick including reflectorising glass beads at 250 gm/y² area thickness of 2.50mm is Exclusive of surface applied glass beads as per IRC-35, the finished surface to be level, uniform and free from streaks of holes complete as per specifications and as per the directions of Engineer in-charge of work.						
	qty vide E.Bill. No. (9) p. (3)						
	= 558.264 y² @ 605/y² 31 to 33 Rs.						3,37,747.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
10)	Providing and constructing load bearing wall with solid concrete blocks of size - 400×200×200 mm having block density not less than 1800 kg/m3 and having a minimum average compressive strength 4.0 N/mm2 conforming to IS - 2185 (part) : 2005 and constructed with CM 1:4 as per IS - 2572 - 2005 including cost of all material, labour charges, scaffolding curing complete as per specification. "Not operated" qty as per Est. Bill No (10)						
		No. (3)	-	-	Nil -		
		34					
11)	providing and removing centering, shuttering, strutting						

Serial No. .....
Name of work .....
Name of Contractor of nature o
Date of commencement of wor

Date	Full description, etc,
1	2
	propping etc fo rectangular/ labour complet of the Engineer-
12)	Providing and lo

	Reference to last Measurement 8

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

535807

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	propping etc for columns, pillars, post and struts square/ rectangular/ polygon in plan including cost of all materials, labour complete as per specifications and as per the directions of the Engineer-in-charge of the work.						
		qty vide E-Bill. It no.				(11) P.(3) 35	
		present qty - Nil -					
129	Providing and laying in position reinforced cement concrete						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	of design mix M 20 With OPC cement @ 320 kg/m³ With 20mm and down size graded granite metal coarse aggregate @ 0.694 m³ and fine aggregate @ 0.464 m³ With super plasticizer @ 1% by cement wt IS - 9103 - 1999 reaffirmed - 2008, Machine mixed, Concrete laid in layers not exceeding 15cm thick vibrated for all RCC works in foundation for footings, pedestal, retaining walls, retaining walls, (any thickness) including attached pilasters, columns, pillars, posts, struts, buttresses, bed blocks, anchor blocks, and plinth etc including cost of all materials, labour, Hire of machinery, curing complete but excluding cost of reinforcement as per specification,						

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency.
Date of commencement of work.....

Date	Full description, etc, of work
1	2
	13) Providing 7mm - steel rec... cutting, bending hooking, required tieing With ... members, wherever

M. A. R. 57 (Rule 116) No. E 535808
Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions		Depth	Contents	Reference to last Measurement
			Length	Breadth			
1	2	3	4	5	6	7	8
		qty vide - E. Bill -			H no. (12)	p. no (3)/36	—
		present qty - N.I —					
13)	Providg mng. steel reinforcemt for RCC work includg straightg cuttg, bendg hookg, placing in positn lappg or weldg wherever required tiedg with bindg wire and anchorg in the adjoyg member, wherever necessary complete as per design						
		qty vide	E. Bill.		H no. (13)		

p. no. (3)2/37 present qty - N.I - . -

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
14)	Providg and layng in positn plain cement concrete 1:3:6 with ope cemente 220kgs with 40mm and down size graded granite metal coarse aggregate @ 0.465 m^3, machine mixed concrete laid in layers not exceedg 15cms thick well compacted in fund^, includg costg all materials labour, Hirng of machinaries cmng Complete as per specifcn.						
	Qty - vide E.B.M. Pg no. 38				24.474 m^3 @ 5936.41/m^3		145,257.00
	Qty - above 12"						

Serial No. .....
Name of work .....
Name of Contractor of nature of Ager
Date of commencement of work.....

Date	Full description, etc, of wor
1	2
15)	Cement concrete pa cement concrete p prepared sub-base Clause 1051.22 de down size graded aggregates with supe 1999 - Re-affirmed - 20 than 0.6 m^3 ~~but~~ c per approved mix

ents	Reference to last Measurement 8
	145257.00
36.00/49	

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

535809

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
			Length	Breadth	Depth		
1	2	3	4	5	6	7	8
15)	Cement concrete pavement: Construction of un-reinforced plain cement concrete pavement thickness as per design, over a prepared sub-base with opc cement or any other type as per clause 1051.22 design mix M-20/M-30 with 25 mm and down size graded granite metal coarse aggregate and fine aggregate with super plasticiser e with conforming to IS 9103: 1999 - Re-affirmed 2008, mixed in a concrete mixer of not less than 0.6 m³ capacity, and appropriate weigh batcher as per approved mix design lasting approved fixed shuttering						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	spreading the concrete with shovels, rakers, compacted using needles, screed and plate vibrators and finished in a continuous operation, including provision of contraction, expansion etc complete as per specification.						
	Qty vide - E. Bill - II ano. (15)						
	pano-39	2	4.96	3	@ 6057.75/m³		1,51,251.00
16)	Vacuum de-watering with vacuum pump and ducting mat and compaction with steel floaters & doubled with floating disc including costing generator, running machinery screed vibrating plate, floaters, blades and discs						

Serial No. .....
Name of work .....
Name of Contractor of natur
Date of commencement of w

Date	Full description,
1	2
	With all lead
	FIRL-1
	Construction o
	KSRKB-M.30
	material gro
	to site spo

ntents	Reference to last Measurement
7	8

M. A. R. 57 (Rule 116) **No. E**
Measurement Book

535810

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	With all lead and lift qty vide - E. Bill- II no. (10) p no 40			166.40 x² @ 106.25/x²		Rs 17680.00	
	FIRL-1 Construction of Embankment with material gravel/murrum KSRKB-M.300-53, Constng Embankment with approved material gravel/murrum with all leads and lifts, transporting to site spreading, grading to Required slope and Compacting						

For G. VENKATESH
Proprietor

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	To meet requirement table. 300-2 Complete as per specifications Morth specification no. 305						
		Qty. wdl. E.B.W. Item.					
		P.no 41 = -"-					—
						Total Rs	38,89,992.00
							38,72,312/2
							38,72,312/2
						Less Excess Payment for item no 11	(-) 8987.00
						Total..	38,63,325.00
	(1) Certified that the work done satisfactorily.						
	(2) there is no dyph material issued by DDmp						
	(3) All the debris have been cleared from the work spot.						

For G.VENKATESH

Proprietor

Serial No. .....
Name of work .....
Name of Contractor of nature of Ag
Date of commencement of work....

Date	Full description, etc, of w
1	2

s	Reference to last Measurement 8
	—
Rs	38,89,992.- 38,72312/- 38,72,312/- (-) 8987.00 38,63,325.00

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

15/6/22

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

M. A. R. 57 (Rule 116)
Measurement Book

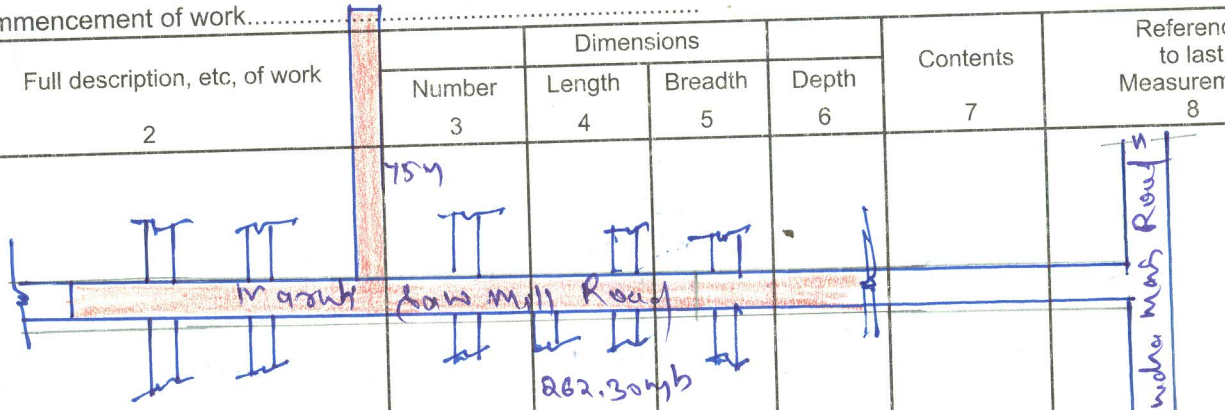
No. E 535811

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

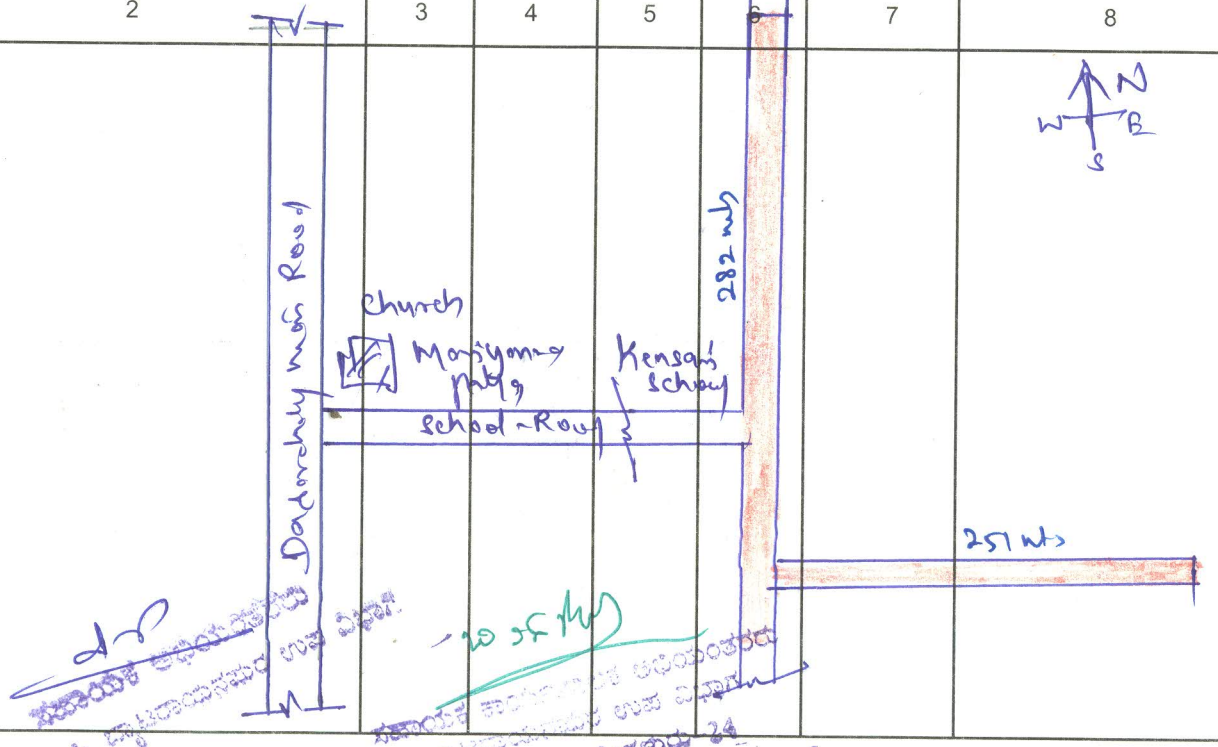
Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Dimensions: Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
		754	862.30mts				

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



Serial No. .....
Name of work .....
Name of Contractor of natu
Date of commencement of

Date	Full description,
1	2

M. A. R. 57 (Rule 116) No. E 535812

Measurement Book

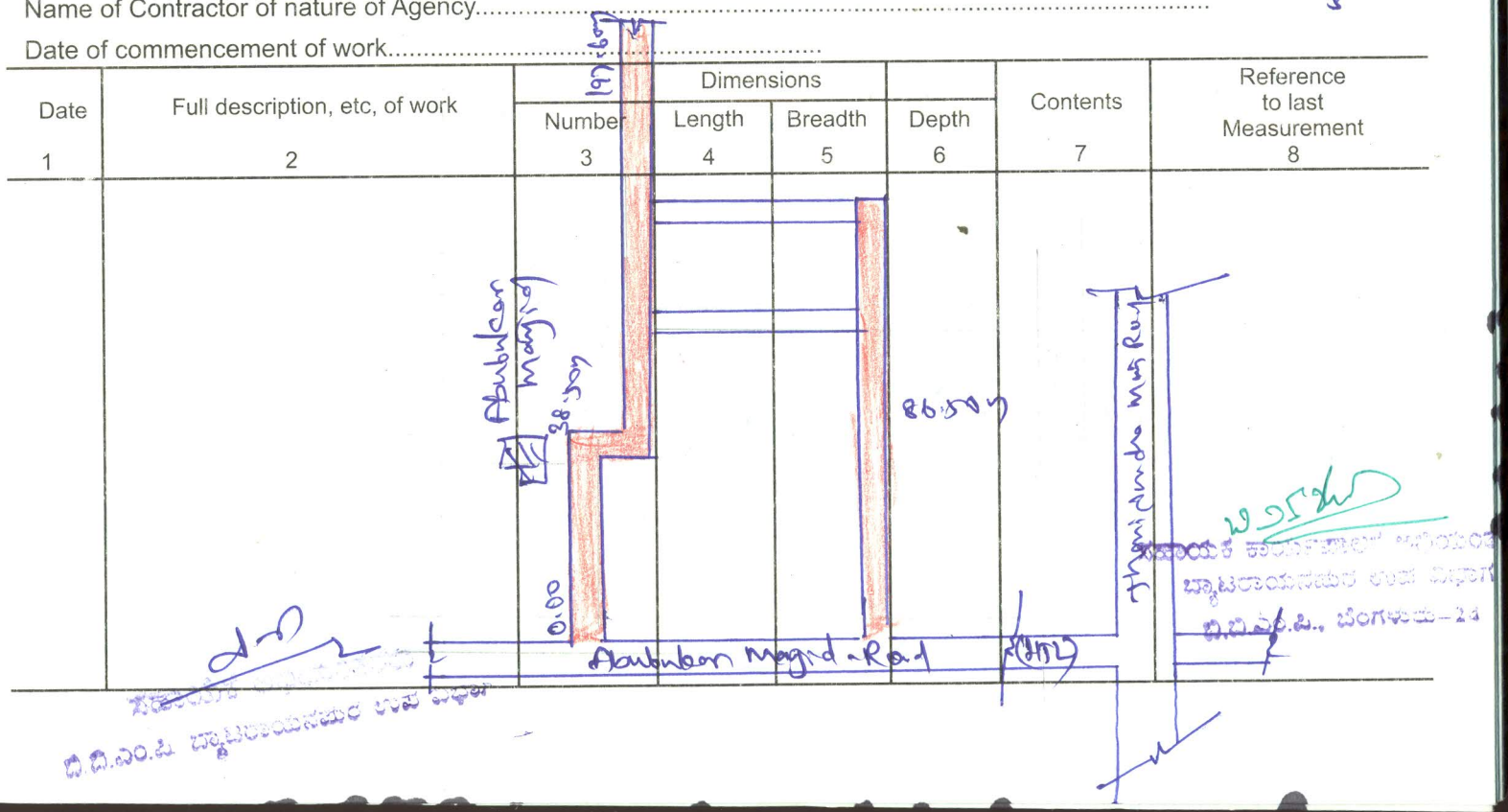
Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth / Depth		
1	2	3	4	5 / 6	7	8



Reference to last Measurement
8

3rd & final

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	ಲೆಕ್ಕಶೀರ್ಷಿಕೆ P3111 - SFC United Grant Works ರಡಿ ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ. 3863325/- ಗಳನ್ನು ಪಾಸು ಮಾಡಿದೆ ಇದರಲ್ಲಿ ರೂ. 150125/- ಗಳನ್ನು ಹೊಂದಾಣಿಕೆ ಮಾಡಿಕೊಂಡು ರೂ. 37,13,200/- ಗಳನ್ನು FT/NEFT/RTGS ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ ವಿಷಯ ನಿರ್ವಾಹಕರು 19/2/21 ಲೆಕ್ಕಾಧಿಕಾರಿ (ಪಿ.ಎ) ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ ಬೃ.ಬೆ.ಮ.ಪಾ. ಬೆಂಗಳೂರು ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು 19/2 ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ ಬೃ.ಬೆ.ಮ.ಪಾ, ಬೆಂಗಳೂರು		Total Previous TTB It Cost Sost Cost CBF Ded: Cheque:	24133000.00 20269675.00 - upto 2nd & Part 3863325.00 - 3rd & Final 38634.00 34494.00 34494.00 38634.00 3869.00 150125.00 37,13,200.00		

No. .....
of work .....
Name of Contractor of nat
Date of commencement o

Date	Full description
1	2